

## ABSTRACT OF THE DISCLOSURE

First and second GMR devices formed in a first block and fifth and sixth GMR devices formed in a third block are  
5 disposed in a symmetrical manner as to a point of origin.  
The first and fifth GMR devices, and the second and sixth GMR devices are disposed in a symmetrical manner as to the point of origin, and accordingly the intensity and direction of an external magnetic field applied from a rotating magnet is the  
10 equal between the first and fifth GMR devices, and also equal between the second and sixth GMR devices. Thus, combining the first, fifth, second, and sixth GMR devices to form a Wheatstone bridge circuit enables detection precision of rotation angles to be improved.